

**RADIATION PROTECTION AND QUALITY ASSURANCE  
FOR RADIOLOGY DEPARTMENTS  
16<sup>th</sup> – 18<sup>th</sup> May 2019  
Royal College of Nursing, London & The London Clinic**

**ABOUT THE COURSE**

This course (Modules 1, 2 & 3) is designed to provide Core of Competence training for diagnostic radiographers to act as Radiation Protection Supervisors. It is also beneficial to Radiology Managers who have overall responsibility for the management of radiation protection in their departments. Module 1 of the course aims to provide basic radiation protection training and is aimed at all staff involved with diagnostic radiology.

The course follows the Health & Safety Executive's syllabus for Radiation Protection Supervisors and covers the requirements of the IRR17 and IR(ME)R 2017 regulations as well as other legislation and guidance. It also provides practical training for staff that are responsible for quality assurance measurements on all types of X-ray equipment.

Module 1 takes place on the Thursday. It provides basic training in radiation protection which is a mandatory requirement for all staff in diagnostic radiology. This forms Part 1 of the Core of Competence for RPSs.

Module 2 takes place on the Friday. Module 2 is dedicated to lectures and group problem-solving sessions on issues related to the management of radiation protection and forms Part 2 and completion of the Core of Competence.

Module 3 (**optional**) takes place on the Saturday and the training will cover quality assurance testing of X-ray equipment and will involve practical sessions in small groups. This module is optional and does not form part of the Core of Competence syllabus.

**Delegates must attend Modules 1 & 2 to gain certification as a Radiation Protection Supervisor.**

The course is always friendly and informal which helps create an ideal learning environment.

**Please note that it is not possible to attend Module 2 or Modules 2 & 3 only.**

There will be a drinks reception at the close of the day on the Friday which is open to all delegates who have attended Module 2.

## **COURSE CONTENTS**

1. **BIOLOGICAL EFFECTS OF RADIATION** – absorbed dose, effective dose, units, stochastic and deterministic effects, risks
2. **REGULATIONS & GUIDANCE** – Health & Safety Exec., Dept of Health, Health Protection Agency, Professional Bodies, etc.
3. **IONISING RADIATIONS REGULATIONS 2017** – implementation, risk assessment, incident reporting, personnel monitoring, local rules
4. **IONISING RADIATION (MEDICAL EXPOSURE) REGULATIONS 2017** – implementation, duty holders, procedures and protocols, incident reporting
5. **PATIENT DOSE AND DRLS** – quantities, assessment, values, risks, diagnostic reference levels (DRLs)
6. **DOSE REDUCTION FOR STAFF AND PATIENTS** – principles and practice
7. **DUTIES OF THE RPS** – management of radiation protection, record keeping practical aspects.
8. **QUALITY ASSURANCE** – requirements, implementation, records, interpretation and actions to take following adverse results
9. **PRACTICAL SESSIONS(1): QUALITY CONTROL TESTING OF X-RAY EQUIPMENT** – radiography (including digital), fluoroscopy and mammography.
10. **PRACTICAL SESSIONS(2): RADIATION PROTECTION & PATIENT DOSIMETRY**

### **COURSE FEES**

- Modules 1 and 2: £425.00
- Modules 1, 2 & 3: £475.00
- Delegates who use RPC for their RPA services will receive a 10% discount
- Discount is available to those organisations who wish to send 5 delegates or more. Please ask for further details.
- Delegates from St George's University Hospitals NHS Foundation Trust will receive a discounted rate.